
**Appendix 1: SUMMARY DATA FOR WISCONSIN
HOSPITALS, 2002**

COMPARISONS BY HOSPITAL TYPE, 2002

	<u>GMS</u>	<u>Psych</u>	<u>AODA</u>	<u>Rehab</u>	<u>State</u>
Summary Data					
No. of Hospitals	130	11	1	2	2
No. of Discharges	631,152	17,402	125	890	2,320
Patient Days	2,689,259	155,203	1,818	18,136	121,152
Average Stay (days)	4.3	8.9	14.5	20.4	52.2
Ave. Charge per Stay	\$13,022	\$6,676	\$10,402	\$24,421	\$29,215
Length of Stay (percent of patients)*					
0-7 days	87.9 %	73.9 %	14.4 %	39.8 %	37.9 %
8-14 days	8.6	15.2	16.8	22.0	12.6
15-21 days	2.0	4.6	64.8	8.3	5.7
22-28 days	0.7	2.2	4.0	9.1	5.1
29-100 days	0.8	3.3	0.0	18.3	25.6
Over 100 days	0.0	0.7	0.0	2.5	13.0
	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
Expected Primary Payment Sources (percent of patients)*					
Medicare	38.7 %	16.7 %	0.0 %	62.1 %	15.2 %
Medical Assistance	11.4	14.4	30.4	10.9	23.9
Other Government	1.6	13.0	0.8	1.1	0.1
Private Insurance	45.2	36.9	68.0	25.5	29.6
Self-Pay	3.1	18.4	0.8	0.2	31.2
Unknown	0.1	0.5	0.0	0.1	0.0
	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %

* May not total to 100% due to rounding.

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

**GROUP COMPARISONS
GENERAL MEDICAL-SURGICAL HOSPITALS, 2002**

	<u>Number of Discharges</u>	<u>Average Stay (Days)</u>	<u>Average Charge</u>
<i>Analysis Areas*</i>			
1	115,790	4.6	\$12,415
2A	96,005	4.6	11,131
2B	167,741	5.4	19,533
3	53,759	5.0	9,036
4	69,031	3.9	9,835
5A	45,120	3.6	8,174
5B	31,125	3.6	11,406
6	63,608	4.1	10,985
7	9,710	3.3	5,923

Inpatient Volume Groups**

1	7,067	3.9	\$8,940
2	18,528	4.1	8,582
3	34,108	3.2	6,558
4	76,761	3.6	8,090
5	152,015	3.9	10,512
6	342,673	4.7	16,209

* See Appendix 4 for a map of the analysis areas.

** Comparisons were not calculated for volume group 7 (specialty hospitals).
See Appendix 5 for a listing of inpatient volume groups by hospital.

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Appendix 2: COMPARABLE DATA FOR 2001

The following tables contain 2001 comparison data from the **2001 Health Care Data Report**.

Table 1. Comparative summary of utilization and charges for hospitalizations in Wisconsin, 2000 and 2001

	<u>2001</u>	<u>2000</u>	<u>% Diff</u>
Number of Hospitalizations	647,992	635,174	2.0
Total Patient Days	2,972,114	2,930,329	1.4
Average Stay (days)	4.6	4.6	-0.6
Hospitalizations per 1,000 Population	119.5	118.4	0.9
Patient Days per 1,000 Population	548.3	546.3	0.4
Total Charges	\$7,510,788,472	\$6,566,973,231	14.4
Average Charge per Hospitalization	\$11,597	\$10,344	12.1

*Note: Except for the state-operated mental health institutes, hospitalizations with lengths of stay greater than 100 days were not included when computing the charge data above. These hospitalizations **were** included to compute the number of hospitalizations, patient days, average length of stay, and population-based rates. All hospitalizations of more than 999 days were excluded entirely from the data. During 2001 there were 23 such hospitalizations. Lengths of stay for inpatients who remained in the hospital less than 24 hours were counted as one day stays.*

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 2. Summary data for Wisconsin hospitals, by type, 2001

<u>Type</u>	<u>Number of Hospitals</u>	<u>Number of Hospitalizations</u>	<u>Patient Days</u>	<u>Average Stay (days)</u>	<u>Average Charge per Day</u>	<u>Average Charge per Stay</u>
GMS	127	627,882	2,685,307	4.3	\$2,757	\$11,655
PSYCH	11	16,862	144,451	8.6	937	6,455
AODA	1	118	1,961	16.6	635	10,553
REHAB	2	781	17,394	22.3	1,408	25,571
STATE	2	2,349	123,001	52.4	542	28,405
TOTAL	143	647,992	2,972,114	4.6	\$2,583	\$11,597

*Note: Except for the state-operated mental health institutes, hospitalizations with lengths of stay greater than 100 days were not included when computing the charge data above. These hospitalizations **were** included to compute the number of hospitalizations, patient days, and average length of stay.*

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 3. Percentage change in utilization and charges in Wisconsin hospitals, by type, 2000 to 2001

<u>Type</u>	<u>Number of Hospitalizations</u>	<u>Patient Days</u>	<u>Average Charge per Stay</u>
GMS	1.8%	1.1%	12.4%
PSYCH	9.4	1.6	8.1
AODA	-15.1	-11.3	13.9
REHAB	-1.5	27.6	19.0
STATE	16.3	5.9	-6.3

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 4. Deliveries in Wisconsin hospitals, 2001

<u>DRG</u>	<u>Description</u>	<u>Number of Hospitalizations</u>	<u>Average Stay (days)</u>	<u>Average Charge</u>	<u>Median Charge</u>
370	C-Section with Complications	3,077	4.6	\$10,323	\$8,273
371	C-Section without Complications	9,507	3.7	7,783	7,036
372	Vaginal Delivery with Complicating Diagnoses	6,348	2.6	5,229	4,267
373	Normal Delivery	45,220	2.1	3,802	3,425
374	Vaginal Delivery with Sterilization &/or D&C	1,771	2.3	7,387	6,618
375	Vaginal Delivery with Operating Room Procedure	47	3.0	8,375	5,076
Total Deliveries		65,970			

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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Table 5. Neonatal hospitalizations in Wisconsin, 2001

<u>DRG</u>	<u>Description</u>	<u>Number of Hospitalizations</u>	<u>Average Stay (days)</u>	<u>Average Charge</u>	<u>Median Charge</u>
385	Neonates, Died or Transferred	1,519	5.0	\$13,044	\$1,804
386	Extreme Immaturity or Respiratory Distress	1,179	36.1	75,456	47,198
387	Prematurity with Major Problems	1,150	13.5	22,144	13,754
388	Prematurity without Major Problems	2,280	4.7	5,271	2,058
389	Full Term Neonate with Major Problems	3,403	4.3	7,392	3,094
390	Neonate with Other Significant Problems	9,006	2.4	2,008	1,459
391	Normal Newborn	50,658	2.1	1,285	1,184
Total Neonatal Hospitalizations		69,195			

Note: Includes newborns in the hospital of birth, newborns transferred to other hospitals, and low birthweight infants readmitted when less than 28 days old after their initial hospital stay.

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 6. Cardiovascular hospitalizations in Wisconsin, 2001

<u>DRG</u>	<u>Description</u>	<u>Number of Hospitalizations</u>	<u>Average Stay (days)</u>	<u>Average Charge</u>	<u>Median Charge</u>
103	Heart Transplant	70	52.5	\$219,623	\$176,427
104	Cardiac Valve Procedures w/ Catheterization	1,567	10.6	91,094	73,249
105	Cardiac Valve Procedures w/o Catheterization	1,462	8.1	63,954	50,153
106	Bypass with PTCA†	178	9.0	74,060	64,483
107	Bypass with Catheterization	3,611	8.9	55,006	47,791
108	Other Cardiothoracic Procedures	528	9.1	61,902	45,671
109	Bypass without Catheterization	2,303	6.4	40,798	34,089
115	Permanent Pacemaker w/ Heart Attack	264	6.3	36,601	33,193
116	Pacemaker or PTCA† w/ Stent w/o Heart Attack	12,306	2.8	23,922	21,151
117	Repair of Pacemaker Device	81	3.2	13,048	9,652
118	Replacement of Pacemaker	94	2.9	19,408	16,560
127	Heart Failure and Shock	14,669	4.6	9,327	7,142
140	Angina Pectoris	2,108	1.7	5,030	4,297
143	Chest Pain	11,113	1.6	5,351	4,706
All Other Cardiovascular Hospitalizations		<u>50,415</u>			
Total Cardiovascular Hospitalizations		100,769			

†PTCA Percutaneous Transluminal Coronary Angioplasty

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 7. Orthopedic hospitalizations in Wisconsin, 2001

DRG	Description	Number of Hospitalizations	Average Stay (days)	Average Charge	Median Charge
209	Major Joint and Limb Reattachment	16,661	4.5	\$21,351	\$19,618
210	Hip and Femur Procs w/ Complications	3,340	6.4	19,222	16,280
211	Hip and Femur Procs w/o Complications	1,182	4.7	14,879	13,547
212	Hip and Femur Procedures - Children	449	3.6	14,205	12,015
243	Medical Back Problems	5,221	3.7	6,500	4,963
497	Spinal Fusion w/CC	1,331	5.5	33,453	27,716
498	Spinal Fusion w/o/CC	3,506	2.8	22,854	18,776
499	Back and Neck Procedures w/CC	1,171	3.9	14,180	11,266
500	Back and Neck Procedures w/o/CC	3,793	2.0	9,479	8,399
	All Other Orthopedic Hospitalizations	24,044			
	Total Orthopedic Hospitalizations	60,698			

Note: Data exclude hospitalizations at rehabilitation hospitals.

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 8. Psychiatric hospitalizations in Wisconsin GMS, psychiatric, and AODA hospitals, 2001

DRG	Description	Number of Hospitalizations	Average Stay (days)	Average Charge	Median Charge
424	Mental Illness with Surgical Operation	128	11.1	\$18,473	\$11,962
425	Adjustment Problems	1,433	4.2	5,534	4,157
426	Depression	4,545	4.6	4,200	2,893
427	Neuroses except Depression	2,814	4.6	3,286	1,942
428	Personality Disorders	691	6.9	7,036	3,830
429	Mental Retardation/Organic Problems	1,998	9.6	10,564	7,978
430	Psychoses	21,786	8.5	7,662	5,236
431	Childhood Mental Disorders	1,208	13.2	7,975	5,278
432	Other Mental Problems	221	5.6	5,918	3,284
	Total Psychiatric Hospitalizations	34,824			

Note: Figures exclude hospitalizations at the state-operated mental health institutes.

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 9. AODA hospitalizations in Wisconsin GMS, psychiatric, and AODA hospitals, 2001

DRG	Description	Number of Hospitalizations	Average Stay (days)	Average Charge	Median Charge
433	AODA, Left Against Medical Advice	828	2.4	\$3,078	\$2,124
434	AODA, Detox with Complications	3,372	4.3	6,985	4,611
435	AODA, Detox without Complications	9,837	2.9	2,991	2,152
436	AODA, Rehabilitation Therapy	1,119	11.3	5,213	4,372
437	AODA, Comb. Rehab/Detox Therapy	961	6.9	7,044	5,840
Total AODA Hospitalizations		16,117			

Note: Figures exclude hospitalizations at the state-operated mental health institutes.

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 10. Most common hospitalizations at Wisconsin GMS, psychiatric, and AODA facilities, 2001

DRG	Description	Number of Hospitalizations	Average Stay (days)	Average Charge	Median Charge
391	Normal Newborn	50,658	2.1	\$1,285	\$1,184
373	Normal Delivery	45,220	2.1	3,802	3,425
430	Psychoses	21,786	8.5	7,662	5,236
209	Major Joint and Limb Reattachment	16,661	4.5	21,351	19,618
127	Heart Failure and Shock	14,669	4.6	9,327	7,142
089	Adult Simple Pneumonia and Pleurisy w/CC	12,905	4.9	9,467	7,476
116	Pacemaker or PTCA† with Stent	12,306	2.8	23,922	21,151
143	Chest Pain	11,113	1.6	5,351	4,706
435	AODA, Detox without Complications	9,837	2.9	2,991	2,152
462	Rehabilitation	9,664	12.0	17,152	12,850

†PTCA: Percutaneous Transluminal Coronary Angioplasty

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 11. Most expensive hospitalizations at Wisconsin GMS, psychiatric, and AODA facilities, 2001

DRG	Description	Number of Hospitalizations	Average Stay (days)	Average Charge	Median Charge
504	Extensive Third Degree Burn with Skin Graft	21	64.7	\$227,589	\$203,558
103	Heart Transplant	70	52.5	219,623	176,427
495	Lung Transplant	23	25.9	198,875	149,495
483	Tracheostomy	1,371	38.7	169,642	147,019
480	Liver Transplant	115	24.0	163,233	133,457
481	Bone Marrow Transplant	195	28.4	128,669	88,139
104	Cardiac Valve Procedures w/Cardiac Cath.	1,567	10.6	91,094	73,249
506	Full Thickness Burn w/Graft or Inhalation Injury	63	23.4	81,692	63,134
302	Kidney Transplant	430	11.4	77,887	65,115
386	Extreme Immaturity or Respiratory Distress	1,179	36.1	75,456	47,198

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 12. Hospitalizations with the highest total charge-generating DRGs at Wisconsin GMS, psychiatric, and AODA facilities, 2001

DRG	Description	Number of Hospitalizations	Average Stay (days)	Average Charge	Total Charges
209	Major Joint and Limb Reattachment	16,661	4.5	\$21,351	\$355,735,884
116	Pacemaker or PTCA† with Stent	12,306	2.8	23,922	294,387,178
483	Tracheostomy	1,371	38.7	169,642	224,944,756
107	Coronary Bypass with Cardiac Cath.	3,611	8.9	55,006	198,627,469
373	Normal Delivery	45,220	2.1	3,802	171,938,988
148	Major Bowel Procedures w/CC	5,213	11.0	32,695	170,277,005
430	Psychoses	21,786	8.5	7,662	166,407,739
462	Rehabilitation	9,664	12.0	17,152	165,718,438
104	Cardiac Valve Procedures w/ Cath.	1,567	10.6	91,094	42,561,653
127	Heart Failure and Shock	14,669	4.6	9,327	136,815,174

†PTCA: Percutaneous Transluminal Coronary Angioplasty

Source: Inpatient Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 13. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Statewide, 2001**Statewide**

<u>Injury Category</u>	<u>Number Of Cases</u>	<u>Rate per 100,000 Population</u>	<u>Total Charges</u>
Cut/Pierce Total	3,354	61.9	\$19,413,411
Accidental	2,268	41.8	10,137,151
Self-inflicted	879	16.2	6,458,461
Assault	190	3.5	2,672,266
Undetermined	17	0.3	145,533
Drown/Submersion	62	1.1	641,914
Falls	29,803	549.8	339,295,368
Fire/Flames	352	6.5	10,938,482
Firearms Total	494	9.1	11,298,515
Accidental	178	3.3	2,621,093
Self-inflicted	30	0.6	1,153,222
Assault	236	4.4	6,750,435
Undetermined	50	0.9	773,765
Hot Objects/Scalds	464	8.6	6,383,945
Machinery	1,073	19.8	10,156,988
Motor Vehicle Traffic	5,918	109.2	124,318,672
Other Pedal Cycle	679	12.5	5,014,425
Other Motor Vehicle Nontraffic	1,187	21.9	14,244,032
Other Transport	337	6.2	4,331,580
Natural/Environmental	1,233	22.7	10,471,289
Overexertion	6,398	118.0	38,901,675
Poisoning Total	5,708	105.3	38,363,822
Accidental	1,816	33.5	14,446,504
Self-inflicted	3,547	65.4	21,381,816
Assault	7	0.1	75,872
Undetermined	338	6.2	2,459,631
Striking/Struck by Total	4,752	87.7	33,965,139
Accidental	3,797	70.1	25,012,971
Assault	955	17.6	8,952,168
Suffocation	534	9.9	10,979,577
Other	19,206	354.3	176,122,171
Total Self-inflicted	5,053	93.2	34,865,030
Total Assaults	2,127	39.2	29,914,399
Total Injuries	81,554	1,504.6	\$854,841,005

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 14. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Analysis Area 1, 2001**Analysis Area 1—Southern**

<u>Injury Category</u>	<u>Number Of Cases</u>	<u>Rate per 100,000 Population</u>	<u>Total Charges</u>
Cut/Pierce Total	542	54.1	\$3,006,753
Accidental	387	38.6	1,743,135
Self-inflicted	130	13.0	940,391
Assault	20	2.0	257,232
Undetermined	5	0.5	65,995
Drown/Submersion	10	1.0	89,702
Falls	5,431	542.1	56,369,752
Fire/Flames	88	8.8	3,274,533
Firearms Total	51	5.1	1,332,468
Accidental	34	3.4	347,010
Self-inflicted	7	0.7	674,247
Assault	8	0.8	278,012
Undetermined	2	0.2	33,199
Hot Objects/Scalds	103	10.3	2,407,481
Machinery	219	21.9	2,635,104
Motor Vehicle Traffic	1,166	116.4	28,749,736
Other Pedal Cycle	170	17.0	1,196,107
Other Motor Vehicle Nontraffic	208	20.8	2,426,985
Other Transport	68	6.8	610,375
Natural/Environmental	281	28.0	2,229,048
Overexertion	1,131	112.9	6,418,147
Poisoning Total	1,103	110.1	7,993,480
Accidental	323	32.2	2,591,357
Self-inflicted	716	71.5	4,813,834
Assault	1	0.1	2,951
Undetermined	63	6.3	585,337
Striking/Struck by Total	974	97.2	5,592,428
Accidental	839	83.7	4,518,463
Assault	135	13.5	1,073,964
Suffocation	166	16.6	5,119,558
Other	3,466	346.0	32,364,243
Total Self-inflicted	939	93.7	7,566,398
Total Assaults	259	25.9	2,827,643
Total Injuries	15,177	1,514.9	\$161,815,898

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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Table 15. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Analysis Area 2A, 2001**Analysis Area 2A—Southeastern**

Injury Category	Number Of Cases	Rate per 100,000 Population	Total Charges
Cut/Pierce Total	398	39.5	\$2,239,015
Accidental	270	26.8	1,382,801
Self-inflicted	116	11.5	762,780
Assault	9	0.9	78,466
Undetermined	3	0.3	14,968
Drown/Submersion	7	0.7	57,482
Falls	4,335	430.4	54,339,187
Fire/Flames	19	1.9	221,585
Firearms Total	31	3.1	269,443
Accidental	16	1.6	95,431
Assault	11	1.1	142,036
Undetermined	4	0.4	31,976
Hot Objects/Scalds	38	3.8	324,452
Machinery	100	9.9	558,287
Motor Vehicle Traffic	641	63.6	8,918,505
Other Pedal Cycle	85	8.4	691,923
Other Motor Vehicle Nontraffic	94	9.3	963,352
Other Transport	49	4.9	475,740
Natural/Environmental	108	10.7	729,518
Overexertion	778	77.2	5,322,426
Poisoning Total	767	76.1	4,495,029
Accidental	197	19.6	1,327,974
Self-inflicted	502	49.8	2,688,166
Assault	2	0.2	9,508
Undetermined	66	6.6	469,381
Striking/Struck by Total	524	52.0	3,640,895
Accidental	435	43.2	3,050,634
Assault	89	8.8	590,261
Suffocation	59	5.9	648,418
Other	2,750	273.0	22,294,966
Total Self-inflicted	652	64.7	3,891,172
Total Assaults	277	27.5	2,762,987
Total Injuries	10,783	1,070.6	\$106,190,225

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 16. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Analysis Area 2B, 2001**Analysis Area 2B—Milwaukee County**

<u>Injury Category</u>	<u>Number Of Cases</u>	<u>Rate per 100,000 Population</u>	<u>Total Charges</u>
Cut/Pierce Total	858	91.5	\$6,827,412
Accidental	644	68.7	3,100,203
Self-inflicted	81	8.6	1,669,576
Assault	132	14.1	2,048,881
Undetermined	1	0.1	8,752
Drown/Submersion	25	2.7	284,990
Falls	6,462	689.5	107,653,702
Fire/Flames	125	13.3	6,693,921
Firearms Total	320	34.1	8,204,802
Accidental	69	7.4	1,352,869
Self-inflicted	5	0.5	153,373
Assault	212	22.6	6,128,328
Undetermined	34	3.6	570,232
Hot Objects/Scalds	185	19.7	2,834,025
Machinery	257	27.4	3,242,663
Motor Vehicle Traffic	1,555	165.9	44,788,126
Other Pedal Cycle	141	15.0	1,400,440
Other Motor Vehicle Nontraffic	96	10.2	2,794,852
Other Transport	46	4.9	1,735,915
Natural/Environmental	244	26.0	3,865,299
Overexertion	1,484	158.3	11,913,822
Poisoning Total	1,272	135.7	12,637,269
Accidental	626	66.8	7,048,253
Self-inflicted	593	63.3	5,091,580
Assault	2	0.2	11,254
Undetermined	51	5.4	486,183
Striking/Struck by Total	1,205	128.6	11,752,533
Accidental	837	89.3	6,796,388
Assault	368	39.3	4,956,145
Suffocation	117	12.5	2,797,971
Other	5,452	581.7	74,370,522
Total Self-inflicted	735	78.4	8,312,792
Total Assaults	1,070	114.2	20,226,685
Total Injuries	19,844	2,117.3	\$303,798,265

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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Table 17. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Analysis Area 3, 2001**Analysis Area 3—Lake Winnebago**

<u>Injury Category</u>	<u>Number Of Cases</u>	<u>Rate per 100,000 Population</u>	<u>Total Charges</u>
Cut/Pierce Total	348	60.8	\$1,795,962
Accidental	167	29.2	551,374
Self-inflicted	177	30.9	1,220,703
Assault	3	0.5	20,958
Undetermined	1	0.2	2,928
Drown/Submersion	4	0.7	92,759
Falls	2,893	505.3	24,005,794
Fire/Flames	16	2.8	181,742
Firearms Total	17	3.0	126,125
Accidental	12	2.1	91,352
Self-inflicted	3	0.5	6,840
Undetermined	2	0.3	27,933
Hot Objects/Scalds	18	3.1	105,551
Machinery	131	22.9	947,491
Motor Vehicle Traffic	543	94.8	9,484,440
Other Pedal Cycle	65	11.4	335,869
Other Motor Vehicle Nontraffic	119	20.8	1,096,567
Other Transport	31	5.4	341,479
Natural/Environmental	57	10.0	431,293
Overexertion	709	123.8	3,154,866
Poisoning Total	542	94.7	2,485,199
Accidental	132	23.1	662,368
Self-inflicted	389	67.9	1,650,272
Assault	1	0.2	46,620
Undetermined	20	3.5	125,939
Striking/Struck by Total	402	70.2	3,356,051
Accidental	344	60.1	2,538,785
Assault	58	10.1	817,266
Suffocation	34	5.9	340,315
Other	1,749	305.5	10,950,620
Total Self-inflicted	649	113.4	3,898,390
Total Assaults	82	14.3	1,254,423
Total Injuries	7,678	1,341.1	\$59,232,125

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 18. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Analysis Area 4, 2001**Analysis Area 4—Northeastern**

<u>Injury Category</u>	<u>Number Of Cases</u>	<u>Rate per 100,000 Population</u>	<u>Total Charges</u>
Cut/Pierce Total	362	60.2	\$1,773,070
Accidental	243	40.4	1,044,558
Self-inflicted	110	18.3	645,073
Assault	6	1.0	64,351
Undetermined	3	0.5	19,089
Drown/Submersion	5	0.8	62,677
Falls	3,450	573.7	31,040,472
Fire/Flames	27	4.5	157,723
Firearms Total	23	3.8	324,356
Accidental	13	2.2	106,382
Self-inflicted	6	1.0	95,535
Assault	3	0.5	99,313
Undetermined	1	0.2	23,126
Hot Objects/Scalds	40	6.7	128,160
Machinery	121	20.1	927,947
Motor Vehicle Traffic	622	103.4	10,353,058
Other Pedal Cycle	91	15.1	551,560
Other Motor Vehicle Nontraffic	174	28.9	1,606,503
Other Transport	34	5.7	246,901
Natural/Environmental	133	22.1	854,253
Overexertion	874	145.3	4,439,998
Poisoning Total	614	102.1	3,333,232
Accidental	180	29.9	1,009,753
Self-inflicted	398	66.2	2,128,159
Undetermined	36	6.0	195,321
Striking/Struck by Total	502	83.5	2,845,268
Accidental	402	66.9	2,305,065
Assault	100	16.6	540,203
Suffocation	64	10.6	978,559
Other	2,228	370.5	13,769,232
Total Self-inflicted	781	129.9	4,213,233
Total Assaults	145	24.1	1,048,230
Total Injuries	9,364	1,557.2	\$73,392,970

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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Table 19. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Analysis Area 5A, 2001**Analysis Area 5A—West Central**

<u>Injury Category</u>	<u>Number Of Cases</u>	<u>Rate per 100,000 Population</u>	<u>Total Charges</u>
Cut/Pierce Total	284	64.7	\$1,044,666
Accidental	212	48.3	849,138
Self-inflicted	69	15.7	156,134
Assault	2	0.5	19,983
Undetermined	1	0.2	19,411
Drown/Submersion	5	1.1	20,938
Falls	2,373	540.8	19,197,250
Fire/Flames	22	5.0	89,118
Firearms Total	10	2.3	95,150
Accidental	5	1.1	23,112
Self-inflicted	3	0.7	53,638
Undetermined	2	0.5	18,400
Hot Objects/Scalds	16	3.6	86,849
Machinery	90	20.5	466,715
Motor Vehicle Traffic	405	92.3	4,856,832
Other Pedal Cycle	35	8.0	145,104
Other Motor Vehicle Nontraffic	148	33.7	1,360,848
Other Transport	39	8.9	278,654
Natural/Environmental	146	33.3	641,554
Overexertion	359	81.8	2,002,647
Poisoning Total	434	98.9	2,051,568
Accidental	120	27.3	592,788
Self-inflicted	282	64.3	1,228,660
Assault	1	0.2	5,539
Undetermined	31	7.1	224,580
Striking/Struck by Total	420	95.7	1,930,027
Accidental	339	77.3	1,671,110
Assault	81	18.5	258,917
Suffocation	28	6.4	315,908
Other	1,201	273.7	6,757,478
Total Self-inflicted	378	86.2	1,567,350
Total Assaults	103	23.5	394,933
Total Injuries	6,023	1,372.7	\$41,421,754

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 20. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Analysis Area 5B, 2001**Analysis Area 5B—Southwestern**

<u>Injury Category</u>	<u>Number Of Cases</u>	<u>Rate per 100,000 Population</u>	<u>Total Charges</u>
Cut/Pierce Total	221	86.5	\$1,283,689
Accidental	113	44.2	625,402
Self-inflicted	98	38.3	569,744
Assault	8	3.1	84,004
Undetermined	2	0.8	4,539
Drown/Submersion	2	0.8	14,999
Falls	1,562	611.1	16,557,771
Fire/Flames	13	5.1	64,675
Firearms Total	8	3.1	144,738
Accidental	5	2.0	87,208
Self-inflicted	1	0.4	43,991
Undetermined	2	0.8	13,539
Hot Objects/Scalds	13	5.1	59,201
Machinery	59	23.1	658,546
Motor Vehicle Traffic	338	132.2	7,677,924
Other Pedal Cycle	36	14.1	306,349
Other Motor Vehicle Nontraffic	81	31.7	1,075,479
Other Transport	32	12.5	374,040
Natural/Environmental	58	22.7	351,172
Overexertion	250	97.8	1,693,089
Poisoning Total	361	141.2	2,149,200
Accidental	78	30.5	386,365
Self-inflicted	267	104.5	1,671,669
Undetermined	16	6.3	91,166
Striking/Struck by Total	213	83.3	1,734,063
Accidental	167	65.3	1,417,024
Assault	46	18.0	317,039
Suffocation	18	7.0	125,420
Other	651	254.7	6,728,533
Total Self-inflicted	384	150.2	2,505,156
Total Assaults	74	29.0	636,169
Total Injuries	3,916	1,532.2	\$40,998,889

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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Table 21. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Analysis Area 6, 2001**Analysis Area 6—North Central**

<u>Injury Category</u>	<u>Number Of Cases</u>	<u>Rate per 100,000 Population</u>	<u>Total Charges</u>
Cut/Pierce Total	281	61.3	\$1,179,632
Accidental	201	43.8	685,996
Self-inflicted	72	15.7	409,430
Assault	7	1.5	74,355
Undetermined	1	0.2	9,852
Drown/Submersion	4	0.9	18,367
Falls	2,732	595.5	26,309,053
Fire/Flames	31	6.8	212,809
Firearms Total	29	6.3	772,914
Accidental	19	4.1	489,210
Self-inflicted	5	1.1	125,597
Assault	2	0.4	102,747
Undetermined	3	0.7	55,360
Hot Objects/Scalds	47	10.2	407,510
Machinery	94	20.5	702,669
Motor Vehicle Traffic	580	126.4	9,085,122
Other Pedal Cycle	47	10.2	363,997
Other Motor Vehicle Nontraffic	228	49.7	2,711,318
Other Transport	33	7.2	241,037
Natural/Environmental	167	36.4	1,227,263
Overexertion	720	156.9	3,444,172
Poisoning Total	475	103.5	2,653,930
Accidental	115	25.1	619,815
Self-inflicted	317	69.1	1,780,606
Undetermined	43	9.4	253,509
Striking/Struck by Total	448	97.7	2,788,072
Accidental	388	84.6	2,477,012
Assault	60	13.1	311,060
Suffocation	42	9.2	619,266
Other	1,522	331.8	7,955,200
Total Self-inflicted	411	89.6	2,419,467
Total Assaults	90	19.6	615,685
Total Injuries	7,480	1,630.4	\$60,692,330

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 22. Wisconsin injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), Analysis Area 7, 2001**Analysis Area 7—Western Lake Superior**

<u>Injury Category</u>	<u>Number Of Cases</u>	<u>Rate per 100,000 Population</u>	<u>Total Charges</u>
Cut/Pierce Total	60	40.8	\$263,211
Accidental	31	21.1	154,544
Self-inflicted	26	17.7	84,631
Assault	3	2.0	24,036
Falls	565	384.2	3,822,386
Fire/Flames	11	7.5	42,376
Firearms Total	5	3.4	28,519
Accidental	5	3.4	28,519
Hot Objects/Scalds	4	2.7	30,716
Machinery	2	1.4	17,567
Motor Vehicle Traffic	68	46.2	404,929
Other Pedal Cycle	9	6.1	23,075
Other Motor Vehicle Nontraffic	39	26.5	208,127
Other Transport	4	2.7	15,445
Natural/Environmental	39	26.5	141,888
Overexertion	86	58.5	444,052
Poisoning Total	140	95.2	564,914
Accidental	45	30.6	207,830
Self-inflicted	83	56.4	328,868
Undetermined	12	8.2	28,215
Striking/Struck by Total	64	43.5	325,803
Accidental	46	31.3	238,490
Assault	18	12.2	87,313
Suffocation	6	4.1	34,162
Other	187	127.2	931,378
Total Self-inflicted	124	84.3	491,072
Total Assaults	27	18.4	147,643
Total Injuries	1,289	876.5	\$7,298,549

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 23. Self-inflicted injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), 2001

Statewide

<u>Injury Category</u>	<u>Male</u>	<u>Female</u>	<u>Total Cases</u>
Poisoning by solid or liquid substances	1,163	2,335	3,498
Poisoning by gases in domestic use	3	1	4
Poisoning by other gases (e.g., car exhaust)	24	21	45
Hanging, strangling, and suffocation	37	18	55
Submersion (drowning)	0	0	0
Firearms and explosives	28	6	34
Cutting/piercing	361	518	879
Jumping from a high place	4	12	16
Other self-inflicted injuries	<u>217</u>	<u>305</u>	<u>522</u>
Total self-inflicted injuries	1,837	3,216	5,053

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 24. Assaultive injuries (to persons treated as hospital inpatients or in hospital-based ambulatory surgery settings and FASCs), 2001

Statewide

<u>Injury Category</u>	<u>Male</u>	<u>Female</u>	<u>Total Cases</u>
Unarmed fight or brawl	634	133	767
Rape	0	7	7
Poisoning	2	5	7
Hanging and strangling	1	2	3
Firearms and explosives	210	23	233
Cutting/piercing	157	33	190
Child battering and other maltreatment	74	170	244
Striking by blunt or thrown object	138	23	161
Bite of human being	20	7	27
Other assaultive injuries	<u>362</u>	<u>126</u>	<u>488</u>
Total assaultive injuries	1,598	529	2,127

Source: Inpatient and Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 25. Summary of selected ambulatory surgical procedure data, Wisconsin GMS hospitals and FASCs, 2001

ICD-9-CM		Number of Cases	Avg. Charge	Percentile Distribution of Charges		
Code	Procedure			25th	50th	75th
03.91	Injection of Spinal Canal for Analgesia	16,289	734	450	650	917
03.92	Injection of other Agent into Spinal Canal	26,938	734	531	651	928
04.43	Carpal Tunnel Release	11,572	2,175	1,405	1,978	2,674
13.41	Phacoemulsification and Aspiration of Cataract	28,304	3,598	2,657	3,480	4,388
13.59	Other Extracapsular Extraction of Lens	13,843	2,735	2,140	2,711	3,095
20.01	Myringotomy with Insertion of Tube	10,933	1,805	1,208	1,522	2,185
28.3	Tonsillectomy with Adenoidectomy	6,788	2,846	2,150	2,660	3,411
37.22	Left Heart Cardiac Catheterization	12,446	6,341	4,742	5,952	7,275
42.92	Dilation of Esophagus	6,894	1,390	926	1,223	1,614
45.13	Other Endoscopy of Small Intestine	13,311	1,150	762	949	1,323
45.16	EGD† with Closed Biopsy	35,691	1,516	995	1,301	1,806
45.23	Colonoscopy	49,368	1,244	888	1,133	1,491
45.24	Flexible Sigmoidoscopy	12,080	577	261	420	744
45.25	Endoscopic Biopsy of Large Intestine	18,101	1,569	1,048	1,412	1,956
45.42	Endoscopic Polypectomy of Large Intestine	35,856	1,709	1,155	1,554	2,100
51.23	Laparoscopic Cholecystectomy	9,191	6,660	4,821	6,488	7,932
57.32	Other Cystoscopy	9,915	1,575	767	1,166	1,930
80.6	Excision of Semilunar Cartilage of Knee	14,162	4,325	2,936	3,906	5,100
85.21	Local Excision of Lesion of Breast	9,287	3,155	1,935	2,660	3,755
86.3	Local Excision/Destruction of Lesion or Tissue of Skin	20,763	1,084	204	503	1,576

Note: Charges may reflect charges for other ambulatory procedures performed during the same surgical episode. Refer to page 333 for an explanation of percentiles.

† Esophagogastroduodenoscopy

Source: Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 26. Age and sex distribution of persons undergoing selected ambulatory procedures, Wisconsin GMS hospitals and FASCs, 2001

ICD-9-CM		Age Groupings				Sex	
<u>Code</u>	<u>Procedure</u>	<u>0-14</u>	<u>15-44</u>	<u>45-64</u>	<u>65+</u>	<u>Male</u>	<u>Female</u>
03.91	Injection of Spinal Canal for Analgesia	0.0%	27.3%	36.7%	36.0%	43.4%	56.6%
03.92	Injection of other Agent into Spinal Canal	0.2	29.1	34.3	36.4	44.9	55.1
04.43	Carpal Tunnel Release	0.0	33.4	41.3	25.3	39.5	60.5
13.41	Phacoemulsification and Aspiration of Cataract	0.1	1.5	14.5	83.9	36.8	63.2
13.59	Other Extracapsular Extraction of Lens	0.2	1.7	15.4	82.8	37.8	62.2
20.01	Myringotomy with Insertion of Tube	92.1	3.3	1.8	2.8	58.5	41.5
28.3	Tonsillectomy with Adenoidectomy	91.2	8.8	0.0	0.0	46.5	53.5
37.22	Left Heart Cardiac Catheterization	0.0	8.1	48.2	43.7	59.9	40.1
42.92	Dilation of Esophagus	0.8	19.3	34.0	46.0	50.3	49.7
45.13	Other Endoscopy of Small Intestine	0.8	32.4	34.9	31.9	39.6	60.4
45.16	EGD† with Closed Biopsy	2.8	28.1	37.2	31.9	45.0	55.0
45.23	Colonoscopy	0.1	14.4	49.3	36.3	40.5	59.5
45.24	Flexible Sigmoidoscopy	0.1	14.4	53.7	31.8	47.5	52.5
45.25	Endoscopic Biopsy of Large Intestine	1.8	30.0	38.6	29.6	40.5	59.5
45.42	Endoscopic Polypectomy of Large Intestine	0.1	7.3	47.4	45.3	54.0	46.0
51.23	Laparoscopic Cholecystectomy	0.2	48.8	36.3	14.7	22.3	77.7
57.32	Other Cystoscopy	1.5	16.9	29.0	52.6	59.1	40.9
80.6	Excision of Semilunar Cartilage of Knee	0.6	35.2	49.2	15.0	58.8	41.2
85.21	Local Excision of Lesion of Breast	0.2	33.4	42.7	23.7	3.0	97.0
86.3	Local Excision/Destruction of Lesion or Tissue of Skin	6.8	33.6	31.0	28.6	46.8	53.2

Note: Rows may not total 100% due to rounding.

† Esophagogastroduodenoscopy

Source: Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 27. Expected primary pay source distribution of persons undergoing selected ambulatory procedures, Wisconsin GMS hospitals and FASCs, 2001

ICD-9-CM							
Code	Procedure	T18	T19	Other Gov't	Commercial Insurance	Self-Pay	Unknown
03.91	Injection of Spinal Canal for Analgesia	36.2%	3.5%	0.4%	58.8%	1.0%	0.0%
03.92	Injection of other Agent into Spinal Canal	36.9	2.8	0.5	58.8	0.9	0.1
04.43	Carpal Tunnel Release	24.7	3.3	0.4	70.6	0.9	0.1
13.41	Phacoemulsification and Aspiration of Cataract	80.8	1.0	0.2	17.5	0.5	0.0
13.59	Other Extracapsular Extraction of Lens	77.8	1.4	0.2	19.2	0.6	0.8
20.01	Myringotomy with Insertion of Tube	1.7	16.8	0.4	80.6	0.4	0.1
28.3	Tonsillectomy with Adenoidectomy	0.0	13.4	0.6	85.1	0.7	0.2
37.22	Left Heart Cardiac Catheterization	43.4	2.4	0.7	52.8	0.7	0.1
42.92	Dilation of Esophagus	47.1	2.1	0.8	48.9	1.0	0.1
45.13	Other Endoscopy of Small Intestine	33.3	4.4	0.8	60.0	1.2	0.2
45.16	Esophagogastroduodenoscopy (EGD) w/Closed Biopsy	32.6	4.3	0.7	61.4	0.9	0.2
45.23	Colonoscopy	35.7	1.7	0.5	61.4	0.6	0.2
45.24	Flexible Sigmoidoscopy	31.4	1.7	0.7	65.0	0.9	0.3
45.25	Endoscopic Biopsy of Large Intestine	29.5	2.9	0.6	66.1	0.8	0.1
45.42	Endoscopic Polypectomy of Large Intestine	43.2	1.3	0.4	54.5	0.5	0.1
51.23	Laparoscopic Cholecystectomy	15.3	6.7	0.8	75.0	2.0	0.2
57.32	Other Cystoscopy	51.0	3.3	0.7	44.1	0.7	0.1
80.6	Excision of Semilunar Cartilage of Knee	14.9	2.1	0.4	81.5	0.9	0.3
85.21	Local Excision of Lesion of Breast	24.1	3.8	1.0	69.7	1.4	0.1
86.3	Local Excision/Destruction of Lesion or Tissue of Skin	28.1	3.1	0.8	66.1	0.9	0.9

Note: Rows may not total 100% due to rounding.

T18 refers to Medicare. T19 refers to Medical Assistance.

Source: Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 28. Most frequently performed ambulatory surgical procedures, Wisconsin GMS hospitals and FASCs, 2001

ICD-9-CM Code	Procedure	Number of Cases	Average Charge	Total Charges
45.23	Colonoscopy	49,368	\$1,244	\$61,415,176
45.42	Endoscopic Polypectomy of Large Intestine	35,856	1,709	61,262,584
45.16	Esophagogastroduodenoscopy (EGD) w/Closed Biopsy	35,691	1,516	54,116,114
13.41	Phacoemulsification and Aspiration of Cataract	28,304	3,598	101,838,069
03.92	Injection of other Agent into Spinal Canal	26,938	734	19,760,487
86.3	Local Excision/Destruction of Lesion or Tissue of Skin	20,763	1,084	22,512,077
45.25	Endoscopic Biopsy of Large Intestine	18,101	1,569	28,408,830
03.91	Injection of Spinal Canal for Analgesia	16,289	734	11,948,515
80.6	Excision of Semilunar Cartilage of Knee	14,162	4,325	61,255,398
13.59	Other Extracapsular Extraction of Lens	13,843	2,735	37,859,083
45.13	Other Endoscopy of Small Intestine	13,311	1,150	15,311,782
37.22	Left Heart Cardiac Catheterization	12,446	6,341	78,915,999
45.24	Flexible Sigmoidoscopy	12,080	577	6,969,851
04.43	Carpal Tunnel Release	11,572	2,175	25,174,322
20.01	Myringotomy with Insertion of Tube	10,933	1,805	19,728,652
57.32	Other Cystoscopy	9,915	1,575	15,613,736
85.21	Local Excision of Lesion of Breast	9,287	3,155	29,304,976
51.23	Laparoscopic Cholecystectomy	9,191	6,660	61,211,756
42.92	Dilation of Esophagus	6,894	1,390	9,582,503
28.3	Tonsillectomy with Adenoidectomy	6,788	2,846	19,315,505
13.64	Discission of Secondary Membrane After Cataract	6,577	862	5,670,406
45.43	Endoscopic Destruction of Lesion/Tissue of Large Intestine	6,456	1,351	8,722,644
85.11	Closed (Percutaneous)(Needle) Breast Biopsy	5,749	1,717	9,870,353
04.81	Injection of Anesthetic into Peripheral Nerve for Analgesia	5,408	1,163	6,290,692
48.36	Endoscopic Polypectomy of Rectum	5,352	1,589	8,502,318
81.92	Injection of Therapeutic Substance into Joint or Ligament	4,781	628	3,000,223
28.2	Tonsillectomy without Adenoidectomy	3,687	3,044	11,222,769
69.09	Other Dilation and Curettage (D&C)	3,633	3,423	12,434,135
81.83	Other Repair of Shoulder	3,579	6,205	22,206,014
86.24	Chemosurgery of Skin	3,553	548	1,947,199
66.29	Bilateral Endoscopic Destr./Occlusion of Fallopian Tubes	3,524	3,772	13,291,751
83.63	Rotator Cuff Repair	3,179	7,161	22,764,675
77.51	Bunionectomy with Osteotomy of the First Metatarsal	3,170	4,205	13,329,056
53.04	Repair of Indirect Inguinal Hernia w/Graft or Prosthesis	3,121	4,567	14,254,449
53.00	Unilateral Repair of Inguinal Hernia	2,731	3,353	9,157,143
82.21	Excision of Lesion of Tendon Sheath of Hand	2,686	2,470	6,635,388
57.49	Oth. Transurethral Excision/Destr. Lesion/Tissue of Bladder	2,645	3,516	9,298,916
53.49	Other Umbilical Herniorrhaphy	2,630	3,255	8,560,052
53.03	Repair of Direct Inguinal Hernia with Graft or Prosthesis	2,600	4,552	11,834,680
37.23	Combined Right/Left Heart Cardiac Catheterization	2,490	7,392	18,406,532

Note: Charges may reflect charges for other procedures performed during the same surgical episode.

Source: Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 29. Most expensive ambulatory surgical procedures (with at least 5 cases reported), Wisconsin GMS hospitals and FASCs, 2001

ICD-9-CM		Number	Average	Total
Code	Procedure	of Cases	Charge	Charges
20.98	Implant/Replace Cochlear Prosthetic Device, Multiple Channel	7	\$51,829	\$362,806
37.94	Implant/Repl. Auto. Cardioverter/Defibrillator, Total Sys. (AICD)	108	49,623	5,359,242
20.96	Implant/Repl. Cochlear Prosthetic Device, Not Otherwise Specified	50	44,917	2,245,856
33.51	Unilateral Lung Transplantation	5	43,167	215,837
37.98	Replace Automatic Cardioverter/Defibrillator Pulse Generator Only	188	38,591	7,255,046
37.82	Initial Insertion of a Single-Chamber Device, Rate Responsive	32	26,956	862,595
02.93	Implantation of Intracranial Neurostimulator	12	25,261	303,128
36.05	Multiple Vessel PTCA† w/wo/Mention of Thrombolytic Agent	162	24,181	3,917,397
37.83	Initial Insertion of Pacemaker with Dual-Chamber Device	158	23,005	3,634,729
36.02	1 Vessel PTCA† or Coronary Atherectomy w/Thrombolytic Agent	12	22,955	275,458
92.30	Stereotactic Radiosurgery, Not Otherwise Specified	76	22,189	1,686,346
60.99	Other Operations on Prostate	36	21,277	765,968
04.92	Implantation or Replacement of Peripheral Neurostimulator	78	20,747	1,618,233
37.34	Catheter Ablation of Lesion or Tissue of Heart	693	20,352	14,104,241
37.99	Other Operations on Heart and Pericardium	14	19,762	276,667
37.97	Replacement of Automatic Cardioverter/Defibrillator Lead(s) Only	14	19,329	270,601
36.01	Single Vessel PTCA† wo/Mention of Thrombolytic Agent	648	18,962	12,287,532
37.72	Initial Insertion of Transvenous Leads into Atrium and Ventricle	69	18,858	1,301,184
37.81	Initial Insert. 1-Chamber Device not Specified as Rate Responsive	28	17,897	501,104
37.27	Cardiac Mapping	11	17,583	193,418

Note: Charges may reflect charges for other procedures performed during the same surgical episode

†PTCA: Percutaneous Transluminal Coronary Angioplasty

Source: Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

**Table 30. Highest total charge-generating ambulatory surgical procedures, Wisconsin
GMS hospitals and FASCs, 2001**

ICD-9-CM Code	Procedure	Number of Cases	Average Charge	Total Charges
13.41	Phacoemulsification and Aspiration of Cataract	28,304	\$3,598	\$101,838,069
37.22	Left Heart Cardiac Catheterization	12,446	6,341	78,915,999
45.23	Colonoscopy	49,368	1,244	61,415,176
45.42	Endoscopic Polypectomy of Large Intestine	35,856	1,709	61,262,584
80.6	Excision of Semilunar Cartilage of Knee	14,162	4,325	61,255,398
51.23	Laparoscopic Cholecystectomy	9,191	6,660	61,211,756
45.16	Esophagogastroduodenoscopy (EGD) w/Closed Biopsy	35,691	1,516	54,116,114
13.59	Other Extracapsular Extraction of Lens	13,843	2,735	37,859,083
85.21	Local Excision of Lesion of Breast	9,287	3,155	29,304,976
45.25	Endoscopic Biopsy of Large Intestine	18,101	1,569	28,408,830
04.43	Carpal Tunnel Release	11,572	2,175	25,174,322
83.63	Rotator Cuff Repair	3,179	7,161	22,764,675
86.3	Local Excision/Destruction of Lesion or Tissue of Skin	20,763	1,084	22,512,077
81.45	Other Repair of the Cruciate Ligaments	2,480	9,023	22,377,469
81.83	Other Repair of Shoulder	3,579	6,205	22,206,014
03.92	Injection of other Agent into Spinal Canal	26,938	734	19,760,487
20.01	Myringotomy with Insertion of Tube	10,933	1,805	19,728,652
28.3	Tonsillectomy with Adenoidectomy	6,788	2,846	19,315,505
37.23	Combined Right/Left Heart Cardiac Catheterization	2,490	7,392	18,406,532
39.50	Angioplasty or Artherectomy of Non-Coronary Vessel	2,046	8,816	18,036,570

Note: Charges may reflect charges for other procedures performed during the same surgical episode

Source: Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 31. Ambulatory surgical procedures, by major category, Wisconsin GMS hospitals and FASCs, 2001

<u>Category of Surgical Procedure</u>	<u>Number of Cases</u>	<u>Total Charges</u>
Cardiovascular	30,576	\$225,412,806
CPT Codes Not Converted	364	393,657
Diagnostic/Therapeutic	11,653	35,890,185
Digestive	232,130	456,731,364
Ear	14,978	37,492,210
Endocrine	1,811	5,640,162
Eye	66,562	197,072,358
Female Genital	27,281	97,116,741
Hemic/Lymphatic	3,383	10,680,903
Integumentary	61,266	128,730,057
Male Genital	9,417	24,504,288
Musculoskeletal	88,253	362,921,748
Nervous	69,418	89,989,440
Nose/Mouth/Pharynx	29,104	92,227,514
Obstetrical	4,483	2,582,593
Respiratory	8,120	21,012,012
Urinary	<u>24,331</u>	<u>66,032,997</u>
Statewide Totals	683,130	\$1,854,431,033

Source: Ambulatory Surgery Data, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Appendix 3: TECHNICAL NOTES

TECHNICAL NOTE: METHODOLOGY USED TO RISK-ADJUST DATA

In recent years a number of methods have been developed to measure variations in charges and lengths of stay resulting from patient risk differences. BHI uses computer software to implement a Coded Disease Staging approach (MEDSTAT Disease Staging IV). Coded Disease Staging relies upon information obtained from the uniform billing forms and so is readily applied using data already collected by BHI.

The process uses ICD-9-CM diagnosis and procedure codes, sex, age, admission source, and discharge status for each patient and makes a comparison to data developed from a nationwide sample of patients in the same DRG. Each patient is then assigned a number, called the Resource Demand Index, which defines relative resource use. Resource use refers to how much care a patient requires (i.e., length of stay, professional attention, drugs and supplies, tests, etc.). Those patients whose factors place them among the patients with average resource use in the national database are assigned a value of 100 and are considered to be of average risk.

Patients whose factors place them among the more resource-intensive patients in the national database are assigned progressively higher values representing the additional cost of treatment. For example, treatment for a patient with a value of 120 is expected to require 20 percent more resources (as reflected in charges), based on the pattern for patients in the national sample with similar risks. Less resource-intensive patients are assigned values progressively lower than 100.

The effects of severity variation may be removed from each patient's charges by using this index to adjust actual charges to the level incurred by a patient of "average" risk (i.e., one with an index of 100). This is done by dividing the patient's actual charges by the assigned index and multiplying by 100. The resulting value represents the amount that would have been charged had the patient been of average risk.

If the actual average charge for a group of patients is higher than their risk-adjusted

average charge, it means that the patients in this group had a *greater* than average severity of illness.

Comparison of these values will point out variations due to factors other than differences in patient risk. Groups of patients, such as those in different hospitals, may be compared as if they were all like the average patient in their DRG.

The DRG-specific risk-adjusted charge data were developed in this manner. BHI risk-adjusted each charge value in the BHI database using the above process, making all patients look like an average patient. These values were then averaged for each hospital, analysis area, inpatient volume group, and GMS hospitals as a single group.

DIAGNOSTIC CATEGORIES - REHABILITATION SERVICES

Applicable ICD-9-CM* Diagnostic Codes

STROKE	BRAIN DAMAGE OR INJURY	ARTHRITIS	OTHER NEUROLOGICAL DISEASE	HIP FRACTURE	MISCELLANEOUS REHABILITATION		
342	046.2	714	045.9	719.70	038.9	556	805.4
342.0	191.3	714.0	138	719.75	170.2	569.83	805.8
342.1	192.1	714.30	250.60	733.42	170.4	571	812
342.9	225.2	714.3	310.1	808.8	174.9	593.4	812.20
431	310.2	715.09	332	820	185	593.7	812.2
432.1	310.8	715.26	332.0	820.2	188.6	594.1	814
434	323.9	715.35	334.3	820.20	200.5	598.9	818.0
434.0	331.3	715.9	334.9	820.21	202.8	599.0	820.09
434.1	331.4	715.90	335.20	820.8	202.81	682.6	821.00
434.9	331.9	715.91	337.9	821	224.2	686.9	822
435.9	348.1	715.95	340	905.3	250	707	823.02
436	352.9	715.96	341.9		250.01	707.0	823.80
437.1	768.5	715.99	345.9		250.5	709.9	823.82
437.3	484.5	716.95	355.3		255.4	710.3	825.25
438	800.24	720	355.9		263.9	718.35	827
784.3	800.4	721.0	356.1		296.99	719.45	829
** V57.89	803.1	721.1	356.9		298.1	719.46	839.03
	851.01	721.9	357		300.8	722.1	840.4
	851.04	721.90	357.0		306.4	722.73	846.9
	851.85	729.0	357.2		307.81	723.1	847
	852.2	730.20	357.7		310.9	724.4	847.1
	852.20	V43.6	357.9		318.1	724.5	847.2
	852.25		359		344.8	727.2	863
	852.45		359.9		344.9	728.2	867
	854.0		723.0		346	728.89	905.1
	854.00		724.02		346.2	733.1	805.4
	854		728.9		362.1	736.7	907
	854.03		729.1		368.46	755.30	914.3
	854.04		729.2		394.1	755.8	924.01
	854.05		747.6		401.9	756.11	924.8
	854.06		780.3		425.3	780.7	936
	854.14		781.0		427.31	781.2	939.3
	854.16		781.3		427.5	783.4	991.6
	873		781.9		428	784.4	996.39
	907.0		905.0		429.2	785	998.5
			969.7		440.9	789	V16.8
					441.2	801	V45.89
					441.4	803	V48.4
					442.81	803.00	V57.81
					448.0	805.02	V57.9
* International Classification of Diseases-9th Edition-Clinical Modifications					451.2	805.07	V58.4
** Refer to secondary diagnoses to identify underlying disease.					496	805.2	

Appendix 4: SELECTED WISCONSIN MAPS

Wisconsin Department of Health and Family Services Regions, 2002



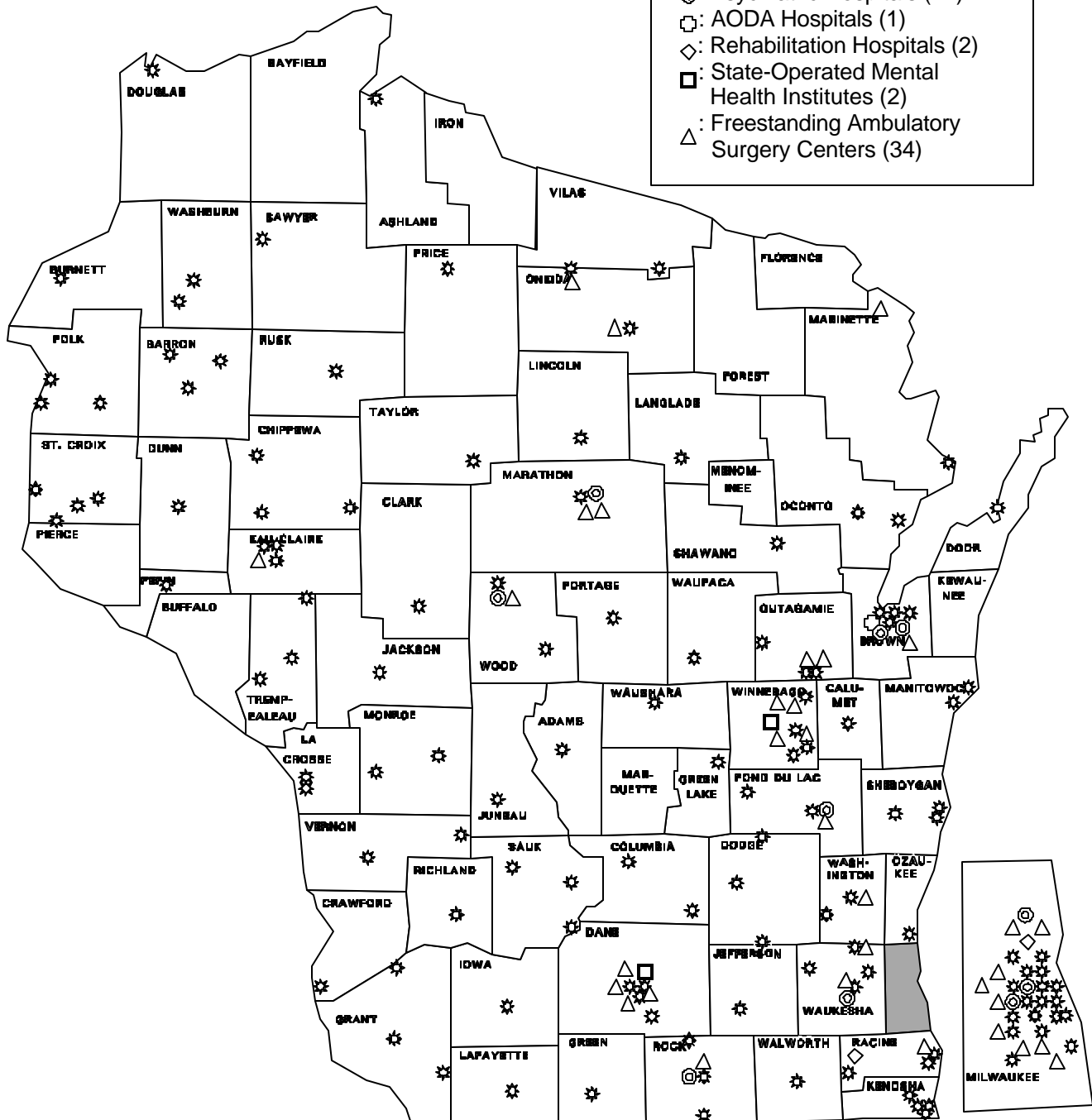
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: New Department of Health and Family Services regions were established in July, 1996 and again in February 2004. Comparisons with regional data in previous publications may therefore be affected.

Location of Wisconsin Hospitals and Freestanding Ambulatory Surgery Centers, 2002

Key:

- ✱: GMS Hospitals (130)
- ⊙: Psychiatric Hospitals (11)
- ◻: AODA Hospitals (1)
- ◊: Rehabilitation Hospitals (2)
- ◻: State-Operated Mental Health Institutes (2)
- △: Freestanding Ambulatory Surgery Centers (34)



Wisconsin Three-Digit Zip Code Areas

